

**I P S C Perchlorate Stakeholders Forum**

Sponsored by the  
**Interagency Perchlorate Steering Committee**

August 25, 1998 ♦ Salt Lake City, Utah

Utah Department of Environmental Quality  
168 North 1950 West, Building 2, Room 101

**Agenda**

- 7:30 - 8:00 a.m. Check-in and walk-in registration**
- 8:00 – 8:15 a.m. Administrative Announcements**
- 8:15 – 8:45 a.m. Opening Remarks**  
EPA Region 8 (Peter Grevatt will work with Bob Benson)  
Utah DEQ representative (Kevin Mayer will call Bill Wallner)
- 9:15 a.m. - 10:00 a.m. SESSION 1 - Background**
- Overview and History of the Perchlorate Problem- Dan Rogers  
Time-line for Ongoing Activities on Perchlorate- Dan Rogers  
Perchlorate Occurrence- Kevin Mayer (with possible addition of Utah DEQ representative)
- 10:00 a.m. - 10:15 a.m. BREAK**
- 10:15 a.m. - 11:45 a.m. SESSION 2 - Perchlorate Health Effects/Toxicity**
- Status and Strategy of Ongoing Studies- Annie Jarabek  
Development of Revised Reference Dose/Risk Assessment- Annie Jarabek  
External Peer Review of Risk Assessment- Peter Grevatt or Lee Hoffman  
Update – Office of Water Regulatory and Policy Activities- Mike Osinski
- 11:45 a.m. - 12:15 p.m. Facilitated Discussion**
- 12:15 p.m. - 1:15 p.m. LUNCH**
- 1:15 p.m. - 2:00 p.m. SESSION 3 -Analytical Methods**

David Tsui

Chemistry of Perchlorate

Background on Analytical Techniques

Analysis of Perchlorate by Ion Chromatography (IC)

Interlaboratory Study on the Performance of IC Methods

Anion Interference Study

Sanwat Chaudhuri

Stability Study

Effects of Methods Parameters

**2:00 p.m. - 2:15 p.m.      BREAK**

**2:15 p.m. - 3:00 p.m.      SESSION 4 - Ecological Impacts/Transport and Transformation**

Speaker(s) to be determined

Introduction/Background/Transport and Transformation

Historical Studies/Applicability

Proposed Activities - Data Gaps/Future Direction

**3:00 p.m. - 3:30 p.m.      Facilitated Discussion**

**3:30 p.m. - 3:45 p.m.      BREAK**

**3:45 p.m. - 4:30 p.m.      SESSION 5 - Treatment Technology**

Speaker(s) to be determined

Background

Introduction to Past and Current Treatment Studies

Biological Treatment of Wastewater

Biological Treatment of Low Level Perchlorate Contamination

Perchlorate Treatment by Ion Exchange

Perchlorate Treatment by Enhanced Coagulation and Advanced Oxidation

Membranes

Future Treatment Studies

**4:30 p.m. - 5:00 p.m.      Facilitated Discussion**

**5:00 p.m. - 5:30 p.m.      Session 6 - Summary & Closing**

Wrap-up & Next Steps

**7:00 p.m. - 9:00 p.m.      Public Availability Session**

Speaker(s) to be determined

Overview and History of the Perchlorate Problem

Time-line for Ongoing Activities on Perchlorate

Perchlorate Occurrence

Facilitated discussion